

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001685

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: F16G 11/14; A63B 29/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU: IPC A63B 29/02; F16B 45/04; F16G 11/14

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI with keywords such as hook, close, lock, shaft, spring and similar terms.

USPTO: Sub-Class 294/82.23

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 1729188 A (SCHILLINGER) 24 September 1929<br>Whole document                     | 1-21                  |
| X         | US 633099 A (MILLER) 12 September 1899<br>Whole document                           | 1-21                  |
| X         | US 1353026 A (CLARE) 14 September 1920<br>Whole document                           | 1-21                  |
| X         | US 1523765 A (GILCHRIST) 20 January 1925<br>Whole document                         | 1-21                  |

☒ Further documents are listed in the continuation of Box C

☐ See patent family annex

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|---|--|
| * Special categories of cited documents:  |  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| "B" earlier application or patent but published on or after the international filing date   | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means  | "&" document member of the same patent family  |
| "P" document published prior to the international filing date but later than the priority date claimed  |  |

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|---|---|
| Date of the actual completion of the international search<br>19 January 2005  | Date of mailing of the international search report<br>27 JAN 2005   |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustralia.gov.au<br>Facsimile No. (02) 6285 3929 | Authorized officer<br>JEFFREY CARL<br>Telephone No : (02) 6283 2543 |

**INTERNATIONAL SEARCH REPORT**

International application No.

**PCT/AU2004/001685****C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 674383 A (JEWELL) 21 May 1901<br>Whole document                                 | 1                     |
| X         | US 709572 A (COWAN) 23 September 1902<br>Whole document                            | 1                     |
| X         | US 1234781 A (LOZIER) 31 July 1917<br>Whole document                               | 1                     |